

# Sample Earthquake Evaluation Form

## POST EARTHQUAKE BRIDGE EVALUATION FORM Sheet Number\_\_\_\_\_

Inspector's Name \_\_\_\_\_ Affiliation \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Earthquake Name \_\_\_\_\_ Country \_\_\_\_\_ Region \_\_\_\_\_

### DESCRIPTION OF BRIDGE DESCRIPTION OF DAMAGE

Bridge Name \_\_\_\_\_

Br. # \_\_\_\_\_ Route # \_\_\_\_\_ Location \_\_\_\_\_

Bridge Bearing \_\_\_\_\_ Length \_\_\_\_\_

Number of Spans \_\_\_\_\_ Simple Spans \_\_\_\_\_ Continuous \_\_\_\_\_ Hinges yes ☐

no ☐ locations in spans \_\_\_\_\_

River Xing \_\_\_\_\_ RR Xing \_\_\_\_\_ Interchange \_\_\_\_\_ Other \_\_\_\_\_

### Overall Rating

No Damage

Minor Damage

Moderate Damage

Major Damage

Collapse

—

—

—

—

—

Suspension \_\_\_\_\_ Cable Stay \_\_\_\_\_ Steel Truss \_\_\_\_\_

Steel Arch \_\_\_\_\_ Steel Box Girder \_\_\_\_\_ Steel I Girder \_\_\_\_\_

Concrete Box Girder \_\_\_\_\_ Concrete T Girder \_\_\_\_\_ Concrete Slab \_\_\_\_\_

Precast Girder \_\_\_\_\_ Concrete Arch \_\_\_\_\_

Timber Arch \_\_\_\_\_ Timber Truss \_\_\_\_\_ Timber Girder \_\_\_\_\_

Bascule \_\_\_\_\_ Lift \_\_\_\_\_ Swing \_\_\_\_\_ Other \_\_\_\_\_

Dropped Spans yes ☐ no ☐ spans \_\_\_\_\_

Span Movement \_\_\_\_\_

Girder Damage \_\_\_\_\_

Other Superstructure Damage \_\_\_\_\_

\_\_\_\_\_

Indications of soil movement \_\_\_\_\_

\_\_\_\_\_

### BEARING TYPES \_\_\_\_\_ Damage Location Description

Roller

Plane Sliding Restrainer

Hinge

Joint

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Rocker Curved Sliding

Bearings

Shear Key

Abutment

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Knuckle Disc

Bent

Bent Cap

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Leaf Elastomeric

Column

Link  
Isolation/Damping  
Footing \_\_\_\_\_

**Abutments**

Seat Type \_ Diaphragm \_ Other \_\_\_\_\_

**Piers**

Concrete Walls \_ Single Col. \_ Multicol. \_

Steel Tower \_ Single Col. \_ Multicol. \_

Other \_\_\_\_\_

**Foundations**

spread \_ pile \_ pileshaft \_ caisson \_ other \_\_\_\_\_

**Roll #**

**Frame #**

**Photo Log**

**Retrofit yes** ☐ **no** ☐

Shear Keys ☐ Catcher Blocks ☐ Restrainers ☐

Abutments \_\_\_\_\_

Bents \_\_\_\_\_

Other \_\_\_\_\_

**Additional Comments** \_\_\_\_\_

**SKETCH DAMAGE**